Technological Forecasting and Social Change

An International Journal

Volume 49, Number 1, May 1995

Contents

WILLIS W. HARMAN (Sausalito, CA)	*Issues Paper #13* Global Dilemmas and the Plausibility of Whole-System Change	1
AHTI A. SALO (Mannheim, Germany) **and DEREK W. BUNN** (London, U.K.)	Decomposition in the Assessment of Judgmental Probability Forecasts	13
S. C. BHARGAVA (Delhi, India)	A Generalized Form of the Fisher-Pry Model of Technological Substitution	27
JONG-TSONG CHIANG (Taipei, Taiwan)	Technology Policy Paradigms and Intellectual Property Strategies: Three National Models	35
JILL S. MANNERING (Seattle, WA) **and PATRICIA L. MOKHTARIAN** (Davis, CA)	Modeling the Choice of Telecommuting Frequency in California: An Exploratory Analysis	49
KATHRYN M. KELM (Emporia, KS) **V. K. NARAYANAN and GEORGE E. PINCHES** (Lawrence, KS)	The Response of Capital Markets to the R&D Process	75
L. R. P. REAVILL (London, U.K.) **and T. G. RAHMAN** (Hong Kong)	A Systems-Science-Based Analysis of the Factors that Influence and Aggravate the Effects of Flooding in Bangladesh	89

Book Reviews

HAROLD A. LINSTONE (Portland, OR)	*Skunk Works: A Personal Memoir of My Years at Lockheed* (Ben R. Rich and Leo Janos)	103
BRIAN J. L. BERRY (Dallas, TX)	*The Challenge of the 21st Century: Managing Technology and Ourselves in a Shrinking World* (Harold A. Linstone with Ian I. Mitroff)	109

Technological Forecasting and Social Change

An International Journal

Volume 49, Number 2, June 1995

Special Issue

Japan Confronts the 21st Century

Shuzaburo Takeda, Guest Editor

Contents

SHUZABURO TAKEDA (Hiratsuka-city, Japan)	The Task and Challenge for Japan in the 21st Century: An Introduction	113
CHIHIRO WATANABE (Laxenburg, Austria)	The Feedback Loop between Technology and Economic Development: An Examination of Japanese Industry	127
SHUMPEI KUMON (Tokyo, Japan)	Can Japan Succeed in "Chigyo-ka" (Intelprise-formation)?	147
YUMI AKIMOTO (Tokyo, Japan)	A New Perspective on the Eco-Industry	165
YOSHITAKA NITTA and SUSUMU YODA (Tokyo, Japan)	Challenging the Human Crisis: "The Trilemma"	175
HIROYUKI YOSHIKAWA (Tokyo, Japan)	Manufacturing and the 21st Century – Intelligent Manufacturing Systems and the Renaissance of the Manufacturing Industry	195
JOICHI AOI (Tokyo, Japan)	Technological Prospects toward the 21st Century: The Case of Toshiba Corporation	215

Book Reviews

HAROLD A. LINSTONE (Portland, OR)	*The Coming Plague: Newly Emerging Diseases in a World Out of Balance* (Laurie Garrett)	229
HUGH J. MISER (Farmington, CT)	*A Systems-Based Approach to Policymaking* (Kenyon B. De Greene, Ed.)	233

Technological Forecasting and Social Change

An International Journal

Volume 49, Number 3, July 1995

Contents

ALAN L. PORTER (Atlanta, GA) **and MICHAEL J. DETAMPEL** (Green Bay, WI)	Technology Opportunities Analysis	237
NAMWOON KIM (Hong Kong, UK) **VIJAY MAHAJAN and RAJENDRA K. SRIVASTAVA** (Austin, TX)	Determining the Going Market Value of a Business in an Emerging Information Technology Industry: The Case of the Cellular Communications Industry	257
MARK W. SPEECE (Bangkok, Thailand) **and DOUGLAS L. MACLACHLAN** (Seattle, WA)	Application of a Multi-Generation Diffusion Model to Milk Container Technology	281
MARK E. DOMS (Washington, DC) **and TIMOTHY DUNNE** (Norman, OK)	Energy Intensity, Electricity Consumption, and Advanced Manufacturing-Technology Usage	297
JAMES P. GANDER (Salt Lake City, UT)	Academic Research and Teaching Productivities: A Case Study	311

Columns

JOSEPH F. COATES (Washington, DC)	*From My Perspective* Technology Assessment: Here Today, Gone Tomorrow	321
TOM MANDEL ET AL. (Mountain View, CA)	*From My Perspective* Tom Mandel and Friends: A Death On-Line Shows a Cyberspace with Heart and Soul	325

Book Reviews

HAROLD A. LINSTONE (Lake Oswego, OR)	*Research with a View to Implementation* and *Case Studies in Research with a View to Implementation* (D.J. Gouws)	329
HAROLD A. LINSTONE (Lake Oswego, OR)	*Predicting the Future* (Leo Howe and Alan Wain, Eds.)	331
	Announcements	334
	Erratum	335
	Volume 49 Author Index	336
	Volume 49 Book Index	336
	Volume 49 Subject Index	337
	Volume 49 Contents	